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MANIPAL UNIVERSITY

MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER I – APPLIED BASIC SCIENCES: APPLIED ANATOMY, PHYSIOLOGY (GENERAL & ORAL), CELL BIOLOGY, GENERAL HISTOLOGY, BIOCHEMISTRY, GENERAL PATHOLOGY GENERAL & SYSTEMIC MICROBIOLOGY, VIROLOGY, MYCOLOGY, BASIC IMMUNOLOGY, ORAL BIOLOGY (ORAL & DENTAL HISTOLOGY) BIostatISTICS AND RESEARCH METHODOLOGY

Monday, April 09, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

✍ Illustrate your answers with diagrams, flow charts wherever necessary.

✍ Essay Questions:

1. Describe the anatomical relationship of the parotid gland. Write on development, innervations and structure of the gland.

(20 marks)

2. Describe the light and electron microscopic features in the epithelium of lining mucosa of the oral cavity.

(20 marks)

3. Write short answers on each of the following:

3A. Zones of pulp.

3B. Dentinal tubules.

3C. Type IV hypersensitivity reaction.

3D. Analysis of variance.

3E. Cell cycle.

(7×5 = 35 marks)



MANIPAL UNIVERSITY**MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2012****SUBJECT: PAPER II: ORAL PATHOLOGY, ORAL MICROBIOLOGY &
IMMUNOLOGY AND FORENSIC ODONTOLOGY**

Tuesday, April 10, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever necessary.**

1. Define premalignant state. Discuss the various premalignant lesions occurring in the oral cavity.

(20 marks)

2. Enumerate the various bacterial diseases. Describe in detail the various oral manifestation of bacterial diseases with a note on lab investigation.

(20 marks)

3. Short notes:

3A. Complication of pulpitis.

3B. Tumors of odontogenic epithelium with odontogenic ectomesenchyme with or without hard tissue formation.

3C. Histopathology of Enamel caries.

3D. Oral manifestation of water soluble vitamins deficiencies.

3E. Pagets disease.

(7×5 = 35 marks)



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MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER III – LABORATORY TECHNIQUES AND DIAGNOSIS AND ONCOLOGY

Wednesday, April 11, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever necessary.**

✍ **Essay Questions:**

1. Discuss the various laboratory investigation for Viral infection.

(20 marks)

2. Classify Odontogenic tumors. Discuss Ameloblastoma.

(20 marks)

3. **Short answers:**

3A. The Papanicolaou stain.

3B. Methods of Decalcification.

3C. Condensers.

3D. Grading in Squamous cell carcinoma.

3E. Fixation artifacts.

(7×5 = 35 marks)



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MDS (ORAL PATHOLOGY AND MICROBIOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER IV: ESSAY

Thursday, April 12, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Illustrate your answers with diagrams, flow charts wherever necessary.**

✍ **Write an essay on:**

Forensic Odontology

OR

Developmental cyst of the jaw

